### 2019 CERTIFICATION 2028 MAY 14 AM 9: 04

Consumer Confidence Report (CCR)

#### Central YARROW Water Association 0820004, 0820029, 0820030, 0820031, 0820033 List PWS ID #s for all Community Water Systems included in this CCR The Federal Safe Drinking Water Act (SDWA) requires each Community Public Water System (PWS) to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the PWS, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR. You must email, fax (but not preferred) or mail, a copy of the CCR and Certification to the MSDH. Please check all boxes that apply. Customers were informed of availability of CCR by: (Attach copy of publication, water bill or other) ☐ Advertisement in local paper (Attach copy of advertisement) ☐ On water bills (Attach copy of bill) ☐ Email message (Email the message to the address below) П ☐ Other Date(s) customers were informed: / /2020 / /2020 /2020 CCR was distributed by U.S. Postal Service or other direct delivery. Must specify other direct delivery П methods used Date Mailed/Distributed: / / Date Emailed: / / 2020 CCR was distributed by Email (*Email MSDH a copy*) □ As a URL \_\_\_\_\_ (Provide Direct URL) $\Box$ ☐ As an attachment ☐ As text within the body of the email message CCR was published in local newspaper. (Attach copy of published CCR or proof of publication) Name of Newspaper: The YAZDO Hexald Date Published: 5 / 2 /2020 Date Posted:\_\_\_/\_\_ CCR was posted in public places. (Attach list of locations) CCR was posted on a publicly accessible internet site at the following address: www.centralyazoowater.com (Provide Direct URL) CERTIFICATION I hereby certify that the CCR has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the PWS officials by the Mississippi State Department of Health, Bureau of Public Water Supply abluanter office manager Name/Title (Board President, Mayor, Owner, Admin. Contact, etc.) Date Submission options (Select one method ONLY)

Mail: (U.S. Postal Service) MSDH, Bureau of Public Water Supply P.O. Box 1700 Jackson, MS 39215

Email: water.reports@msdh.ms.gov

Fax: (601) 576 - 7800

\*Not a preferred method due to poor clarity \*\*

CCR Deadline to MSDH & Customers by July 1, 2020!

#### 2019 Annual Drinking Water Quality Report Central Yazoo Water Association, Inc. PWS#: 0820004, 0820029, 0820030, 0820031 & 0820033

April 2020

APR 2 7 2019

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells drawing from the Sparta Sand and the Meridian Upper Wilcox Aquifer.

If you have any questions about this report or concerning your water utility, please contact Michael Laborde at 662-746-7531. We want our valued customers to be informed about their water utility. If you want to learn more, please attend the annual meeting scheduled for the second Monday of March at 5:30 PM at the main office located at 37 Witherspoon Road, Yazoo City, MS 39194.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Central Yazoo Water Association, Inc. have received lower to moderate susceptibility rankings to contamination.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that we detected during the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2019. In cases where monitoring wasn't required in 2019]\ [he table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these constituents does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal"(MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) – The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

TEST RESULTS PWS#:0820004 Range of Detects MCLG MCL Likely Source of Contamination Contaminant Violation Date Level Unit Y/N Collected Detected or # of Samples Measure-Exceeding ment MCL/ACL **Inorganic Contaminants** 10. Barium 2019 .0079 .0074 - .0079 2 Discharge of drilling wastes; ppm discharge from metal refineries; erosion of natural deposits Ν 2019 100 100 Discharge from steel and pulp 13. Chromium 1 No Range ppb mills; erosion of natural deposits 2015/17\* Corrosion of household plumbing Ν .3 0 1.3 AL=1.3 14. Copper ppm systems: erosion of natural deposits; leaching from wood preservatives 4 Erosion of natural deposits; water Ν 2019 6.11 .103 -- 6.11 4 16. Fluoride mag

								additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2015/17	* 4	0	ppb		0 AL	_=15 Corrosion of household plumbing systems, erosion of natural deposits
Disinfection	n By-	Product	S				0	
81. HAA5	N	2017*	14	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2019	16.8	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2019	1.2	<sub>-</sub> 7 – 1.7	mg/l	0	MDRL = 4	Water additive used to control microbes
Unregulate	ed Co	ntamina	nts					
Sodium	N	2019	75000	74000 - 75000	PPB	NONE	NONE	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

<sup>\*</sup> Most recent sample. No sample required for 2019

PWS#:0820	0029			TEST RES	ULTS					
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detect or # of Samples Exceeding MCL/ACL			CLG	MCL	-	Likely Source of Contamination
Inorganic (	Contam	inants								
10. Barium	N	2019	.038	No Range	ppm		2		2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019	.8	No Range	ppb		100	1	00	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2015/17*	.3	0	ppm		1.3	AL=1	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2019	.558	No Range	ppm		4		4	Erosion of natural deposits; wate additive which promotes strong teeth; discharge from fertilizer a aluminum factories
17. Lead	N	2015/17*	1	0	ppb		0	AL=	15	Corrosion of household plumbin systems, erosion of natural deposits
Disinfection	n By-Pi	roducts	6	No Range	ppb		0		60	By-Product of drinking water
82, TTHM	-	00101				_				disinfection.
82. ITHM [Total trihalomethanes]	N	2016*	7.7	No Range	ppb		0		80	By-product of drinking water chlorination.
Chlorine	N	2019	1.5	.8 – 2	mg/l		0	MDRL	- <del>=</del> 4	Water additive used to control microbes
Unregulate	d Cont	aminan	its		***					
Sodium		2019		No Range	PPB N	IONE		NONE	Cr	oad Salt, Water Treatment nemicals, Water Softeners and ewage Effluents.

<sup>\*</sup> Most recent sample. No sample required for 2019

PWS#:0820030

**TEST RESULTS** 

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detect or # of Samples Exceeding		MCLG	MCL	Likely Source of Contamination
Inorganic (	Contan	ninants		MCL/ACL			1	
10. Barium	N	2019	.0036	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019	4.3	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2015/17*	<sub></sub> 1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2019	.817	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2015/17*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
<b>Disinfectio</b> 81. HAA5	n By-P	roducts 2018*	100	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2019	54.5	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2019	1.5	1 – 2	mg/l	0	MDRL = 4	Water additive used to control microbes
Unregulate	d Cont	aminant	S					
Sodium	N	2019 1	10000 8	2000 - 110000	PPB NO	ONE	C	oad Salt, Water Treatment hemicals, Water Softeners and ewage Effluents.

<sup>\*</sup> Most recent sample. No sample required for 2019

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples	Unit Measure-	MCLG	MCL	Likely Source of Contamination
		Concolod	Detected	Exceeding MCL/ACL	ment			
Inorganic	Contam	inants						
10. Barium	N	2019	.012	No Range	ppm	2		Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019	4.1	No Range	ppb	100	10	OD Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2015/17*	.9	0	ppm	1.3	AL=1	<ul> <li>Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives</li> </ul>
16. Fluoride	N	2019	1.12	No Range	ppm	4		4 Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2015/17*	2	0	ppb	0	AL=	15 Corrosion of household plumbing systems, erosion of natural deposits
Disinfection	on By-P	roducts						
81. HAA5			91*	No Range p	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total	N	2017*	117*	No Range	ppb	0	80	By-product of drinking water chlorination.

trihalomethanes]								
Chlorine	N	2019	1,5	6 – 1,9	mg/l	0	MDRL = 4	Water additive used to control microbes
Unregulate	ed Co	ntamin	ants					
Sodium	N	2019	250000	No Range	PPB	NONE	NONE	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

<sup>\*</sup> Most recent sample. No sample required for 2019

Contaminant	Violation	Date	Level	Range of Detect	s Unit	МС	LG	MCL	Likely Source of Contamination
	Y/N	Collected	Detected	or # of Samples Exceeding MCL/ACL	Measure ment	-			
Inorganic	Contam	inants							
10. Barium	N	2019	.0142	No Range	ppm		2		Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019	33.1	No Range	ppb		100	1	00 Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2015/17*	.3	0	ppm		1.3	AL=1	1.3 Corrosion of household plumbin systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	2015/17*	1	0	ppb		0	AL=	15 Corrosion of household plumbin systems, erosion of natural deposits
Disinfection									
Chlorine	N	2019	.3	7 - 2	mg/l	0	MDF	RL = 4	Water additive used to control microbes
Unregulat	ed Cont	aminan	S						
Sodium				lo Range	PPB N	IONE	1	NONE	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

<sup>\*</sup> Most recent sample. No sample required for 2019.

Disinfection By-Products:

As you can see by the table, our system had no contaminate violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected however the EPA has determined that your water IS SAFE at these levels.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. We did complete the monitoring requirements for bacteriological sampling that showed no coliform present. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

Central Yazoo Water Association (PWS ID 0820004, 0820029, 0820030, 0820031, 0820033), no longer adds fluoride to the drinking water system. Consult with your dentist, regarding this change with your water supply. They may propose additional supplements and suggest different treatment schedules. If you have children (starting at 6 months of age), their dentist may have alternative treatment suggestion to ensure the proper development of teeth as they grow. Be sure to talk to your dentist about in-office fluoride applications or dietary supplements. These necessary treatments may come at an increase cost.

<sup>(81)</sup> Haloacetic Acids (HAA5). Some people who drink water containing bromate in excess of the MCL over many years may have an increased risk of cancer (82) Total Trihalomethanes (TTHMs). Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The Central Yazoo Water Association, Inc. works around the clock to provide top quality water to every tap, We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

## PROOF OF PUBLICATION OF NOTICE The State of Mississippi County of YAZOO

Personally appeared before me, the undersigned Notary Public in and for the County and State aforesaid JASON PATTERSON, who being by me first duly sworn state on oath, that he is PUBLISHER of the YAZOO HERALD, a newspaper published in the City of Yazoo City, State and County aforesaid, and that the publication of the notice, a copy of which is hereto attached, has been made in said paper \_\_\_\_\_\_\_times as follows.

# 2019 ANNUAL DRINKING WATER WATER ASSOCIATION, INC. **CENTRAL YAZOO** QUALITY REPORT

PWS#: 0820004, 0820029, 0820030, 0820031 & 0820033 **APRIL** 2020 We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells drawing from the Sparta Sand and the Meridian Upper Wilcox Aquifer

If you have any questions about this report or concerning your water utility, please contact Michael Laborde at 682-745-7531. We want our valued customers to be informed about their water utility. If you want to learn more, please attend the annual meeting scheduled for the second Monday of March at 5:30 PM at the main office located at 37 Witherspoon Road, Yazoo City, MS 39194.

The source valer assessment has been completed for our public water system to determine the overall susceptibility of its drinking water suspity to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Central Yazoo Water Association, Inc. have received lower to moderate susceptibility rankings to contamination.

runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming, pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic obernical contaminants, including synthetic and vestion organic chemicals, which are by-producted of industrial processes and petrolium production, and can also come from gas stations and septic systems; ratioachie comminants, which can be naturally occurring or be the result of and gas production and milning activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that first the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these constituents does not necessarily indicate that the water in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity, microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that we detected during the period of January 1<sup>44</sup> to December 31<sup>44</sup> , 2019. In cases where monitoring wasn't required in 2019, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and,

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions

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Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking waler. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal"(MCLG) is the level of a contaminant in dinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety

Maximum Residual Disinfectent Level (MRDL) - The highest level of a disinfectant allowed in drinking vater. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Meximum Residual Disinfectant Level Goal (MRDLG) – The level of a drinking water disinfectorit below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

By-product of drinking water 60 By-Product of drinking water disinfection.

80

qdd

No Range

2017\*

82. TTHM Trotal 81. HAA5

Disinfection By-Products

LW2#:0820050	050			LEGI KESOLLIS	2112			
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure- ment	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants	ontami	inants						
10, Barium	z	2019	0036	No Range	mdd	2	2	Discharge of drilling wastes, discharge from metal refineries; erosion of natural deposits
13. Chromium	z	2019	6	No Range	qdd	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14 Capper	z	2015/17*		0	шdd	1. U.)	AL=1.3	Corrasion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	Z	2019	.817	No Range	mqq	4	4	Erosion of natural deposits; water additive which promotes strong teeth, discharge from fertilizer and aluminum factories.
17. Lead	2	2015/17*	_	0	qdd	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Disinfection By-Products	By-Pr	oducts			1			
81. HAA5	z	2018*	100	No Range	qdd	0	09	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	z	2019	54.5	No Range	qdd	0	_	ш о
Chlorine	z	2019	1,5	1-2	mg/l	0	MDRL=4	Water additive used to control microbes
Unregulated Contaminants	d Cont	aminan	92					
Sodium	z	2019	0000	82000 - 110000	N Bdd	NONE	NONE S. C.	Road Salt, Water Treatment Chemicals, Water Softeners and Sewado Effluents.

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TEST RESULT
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PWS#:0820031	0031			TEST RESULTS	LTS			
Contaminant	Violation Y/N	Date	Level . Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Messare- ment	MCLG	MCL	Likely Source of Confamination
Inorganic Contaminants	Contam	inants						*
10. Barium	z	2019	.012	No Range	шаа	2	2	2 Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13, Chromium	z	2019	17	No Range	qdd	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	z	2015/17*	o,	0	wdd	1.3	AL=1.3	Corrosion of household plumbin systems; erosion of natural deposits, leaching from wood preservatives
16. Fluoride	z	2019	1.12	No Range	mdd	4	4	Erosion of natural deposits; wal additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	z	2015/17*	2	0	qdd	0		AL=15   Corrosion of household plumbin systems, erosion of natural